

# **STORMWATER MANAGEMENT SYSTEM INSPECTION FORMS**

**FROM:**  
***OPERATION, MAINTENANCE, AND MANAGEMENT OF  
STORMWATER MANAGEMENT SYSTEMS***

**PUBLISHED BY:**  
**WATERSHED MANAGEMENT INSTITUTE, INC.**

**In cooperation with:**  
**Office of Water**  
**U. S. Environmental Protection Agency**  
**Washington D. C**

Watershed Management Institute  
P.O. Box 14  
Ingleside, Maryland 21644  
410/758-2731  
Fax: 410/758-0386

Watershed Management Institute  
410 White Oak Drive  
Crawfordville, Florida 32327  
850/926-5310  
Fax: 850/926-1534

## STORMWATER MANAGEMENT SYSTEM INSPECTION FORMS

From CHAPTER 6: CONSTRUCTION INSPECTION of *Operation, Maintenance, and Management of Stormwater Management Systems*

Appendices - Construction Inspection Forms	F-3
6-1. Preconstruction Inspection Meeting Topics	F-4
6-2. General Site Inspection and Notice to Comply	F-7
6-3. Sediment/Stormwater Basin Construction Checklist	F-10
6-4. Sediment/Stormwater Pond Typical Sequence of Construction	F-15
6-5. Construction Checklists for Infiltration Practices:	F-19
6-5A. Basins	F-20
6-5B. Trenches	F-21
6-5C. Dry Wells	F-22
6-5D. Pervious Paving	F-23
6-5E. Swales	F-24
6-6. Construction Checklist for Filtration Practices	F-25
6-7. Construction Checklist for Biofiltration Practices	F-27

From CHAPTER 7: INSPECTION AND MAINTENANCE AFTER CONSTRUCTION of *Operation, Maintenance, and Management of Stormwater Management Systems*

Appendices - OMM Forms for Stormwater Management Practices	
7-1. OMM Inspection Checklist for Ponds	F-30
7-2. OMM Inspection Checklist for Infiltration Practices	F-34
7-2A. OMM Inspection Checklist for Infiltration Basins	F-35
7-2B. OMM Inspection Checklist for Infiltration Trenches	F-37
7-2C. OMM Inspection Checklist for Dry Wells	F-39
7-2D. OMM Inspection Checklist for Pervious Pavement	F-40
7-2E. OMM Inspection Checklist for Swales	F-41
7-3. OMM Inspection Checklist for Filtration Practices	F-42
7-4. OMM Inspection Checklist for Biofiltration Practices	F-45

The handbook *Operation, Maintenance, and Management of Stormwater Management Systems* was produced by the Watershed Management Institute, Inc. in cooperation with the United States Environmental Protection Agency, Office of Water, through Cooperative Agreement CX823621-01-0. The contents do not necessarily reflect the views or policies of the Environmental Protection Agency, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

## **APPENDICES FROM CHAPTER 6**

### **Construction Inspection Forms for Stormwater Management Practices**

## **APPENDIX 6-1**

### **Preconstruction Inspection Meeting Topics Form**

## State of New Jersey Department of Environmental Protection Stormwater Management Facility Maintenance Manual

### Example Preconstruction Meeting Topics

#### A. GENERAL INFORMATION

1. Attendance
2. Purpose of project and background information
3. Emergency telephone numbers
4. Construction photograph requirements
5. Project sign requirements
6. Starting date
7. Review of contract documents, including insurance certifications, bonds and subcontractors documents
8. Field office requirements
9. Responsibility for notification of affected property owners and residents
10. Chain of command for communications and correspondence
11. Construction schedules
12. Key personnel and their degree of involvement in the project (inspector, owner, engineer, agencies, etc.)

#### B. POLICE AND FIRE DEPARTMENT CONCERNS

1. Traffic control
2. Barricades and signs conforming to the uniform manual
3. Noise ordinance considerations
4. Working hours, including weekend and holidays
5. Vandalism and preventative measures
6. Flagmen and traffic control officers
7. Equipment storage and vehicle parking
8. Emergency vehicle access
9. Underground tank locations and precautionary construction procedures
10. Storage and use of hazardous materials

#### C. UTILITIES

1. Utility locations and mark-outs
2. Coordination of utility relocations
3. Emergency phone numbers of utility companies

#### D. FUNDING AND PAYMENTS

1. Funding sources and availability
2. Procedures and dates for payment estimates
3. Dates for payments to contractor
4. Breakdown of lump sum items for partial payment
5. Policy for payment for materials on site at the close of a payment period
6. Retained monies during and after construction

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

7. Requirements of funding agencies

## E. CHANGE ORDERS AND EXTRA CLAIMS

1. Requirements for additional work and submittal of change orders
2. Procedures and schedule for review and recommendations of change orders
3. Procedures for negotiating extra claims and change orders

## F. CONSTRUCTION ACCESS AND EASEMENTS

1. Easement locations and maps
2. Responsibility for locating and staking easements
3. Available survey data for the site
4. Access requirements and staging areas
5. Easement restrictions and restoration requirements

## G. CONSTRUCTION DETAILS

1. Unique or complex aspects of the project
2. Testing laboratories and sampling procedures
3. Cold and hot weather protection measures
4. Blasting requirements
5. Dump site location for construction related materials
6. Shop drawing requirements and review procedures
7. Specific construction techniques and procedures
8. Review of technical section of the specifications

## H. PERMITS

1. Status of all required federal, state, and local permits
2. Permit restrictions and conditions
3. Start-of-work notifications

## **APPENDIX 6-2**

### **General Site Inspection and Notice to Comply Forms**

## Construction Inspection Report Form

(adapted from State of Delaware Sediment and Stormwater Program)

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Contacted \_\_\_\_\_

Weather Conditions \_\_\_\_\_

Site Status \_\_\_\_\_ (active, inactive, completed)

Site Conditions:

acceptable \_\_\_\_\_

Unacceptable \_\_\_\_\_

In compliance with approved plan \_\_\_\_\_

Approved plan is adequate for the site \_\_\_\_\_

Written Comments:

---

---

---

---

---

---

---

Action to be taken:

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted site deficiencies by \_\_\_\_\_

1st notice \_\_\_\_\_

2nd notice \_\_\_\_\_

Submit plan modifications as noted in written comments by \_\_\_\_\_

Notice to Comply issued \_\_\_\_\_

Final inspection, project completed \_\_\_\_\_

Other \_\_\_\_\_

\_\_\_\_\_  
Received by

\_\_\_\_\_  
Inspector

I acknowledge receipt of this inspection report. My signature does not imply agreement or disagreement with its content

Questions or comments regarding this inspection report should be directed to the appropriate inspection agency the appropriate address and phone number.

white: developer/contractor

yellow: file

pink: legal/enforcement



## Notice to Comply Inspection Report Form

(adapted from State of Delaware Sediment and Stormwater Program)

Date \_\_\_\_\_

To: \_\_\_\_\_

Address: \_\_\_\_\_

Project/Site/Contract Name \_\_\_\_\_

An inspection of the above referenced project on \_\_\_\_\_ (Date) revealed that the site is not in compliance with the approved Sediment Control and Stormwater Management Plan, approved Plan amendments, Law, or Regulations, and the following violations exist:

---

---

---

---

---

---

---

---

---

---

Notice is hereby given that the above violations shall be corrected in accordance with the approved Sediment Control and Stormwater Management Plan, approved Plan amendments, Law, or Regulations on or before \_\_\_\_\_ (Date). The site will be re-inspected at that time to determine if the site has been brought into compliance with the approved Plan, approved Plan amendments, Law, or Regulations.

**Failure to comply with this notice will result in the initiation of legal action by the Department in order to bring the site into compliance with the approved Plan, approved Plan amendments, Law, or Regulations.**

\_\_\_\_\_  
Received by

\_\_\_\_\_  
Inspector

I hereby acknowledge receipt of this notice to comply. My signature does not imply agreement or disagreement with its content

Questions or comments regarding this inspection report should be directed to the appropriate inspection agency at the appropriate address and phone number

white: developer/contractor

yellow: file

pink: legal/enforcement

## **APPENDIX 6-3**

# **Sediment/Stormwater Management Basin Construction Inspection Checklist**

## Sediment/Stormwater Management Basin Construction Checklist

*For Permanent structures per Delaware NRCS Pond Code 378 and Delaware*

*Sediment and Stormwater Regulations*

*(Developed by Randy Greer, Environmental Engineer)*

### KEY

- 4 Item meets standard  
6 Item not acceptable  
N/A Item not applicable  
C Item requires engineer's certification

### PROJECT INFORMATION

Project ID: \_\_\_\_\_  
Contractor: \_\_\_\_\_  
Inspector: \_\_\_\_\_  
Date(s): \_\_\_\_\_

## I. Materials and Equipment

- \_\_\_\_\_ Pipe and appurtenances on-site prior to construction and dimensions checked.  
\_\_\_\_\_ 1. Material (including protective coating, if specified)  
\_\_\_\_\_ 2. Diameter  
\_\_\_\_\_ 3. Dimensions of metal riser or pre-cast concrete outlet structure  
\_\_\_\_\_ 4. Required dimensions between water control structures (orifices, weirs, etc.) are in accordance with approved plans  
\_\_\_\_\_ 5. Barrel stub for prefabricated pipe structures at proper angle for design barrel slope  
\_\_\_\_\_ 6. Number and dimensions of prefabricated anti-seep collars  
\_\_\_\_\_ 7. Watertight connectors and gaskets  
\_\_\_\_\_ 8. Outlet drain valve  
\_\_\_\_\_ Appropriate compaction equipment available, including hand and small power tamps  
\_\_\_\_\_ Project benchmark near pond site  
\_\_\_\_\_ Equipment for temporary de-watering

## II. Subgrade Preparation

- \_\_\_\_\_ Area beneath embankment stripped of all vegetation, topsoil, and organic matter  
\_\_\_\_\_ Cut-off trench excavated a minimum of 4 feet below subgrade and minimum 4 feet below proposed pipe invert, with side slopes no steeper than 1:1  
\_\_\_\_\_ Impervious material used to backfill cut-off trench

## III. Pipe Spillway Installation

- \_\_\_\_\_ Method of installation detailed on plans
- A. Bed preparation  
\_\_\_\_\_ Installation trench excavated with 1:1 side slopes  
\_\_\_\_\_ Stable, uniform, dry subgrade of relatively impervious material (*If subgrade is wet, contractor shall have defined steps before proceeding with installation*)  
\_\_\_\_\_ Invert at proper elevation and grade

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

## B. Pipe placement

### \_\_\_\_\_ Metal/Plastic pipe

- \_\_\_\_\_ 1. Watertight connectors and gaskets properly installed
- \_\_\_\_\_ 2. Anti-seep collars properly spaced and having watertight connections to pipe
- \_\_\_\_\_ 3. Backfill placed and tamped by hand under “haunches” of pipe
- \_\_\_\_\_ 4. Remaining backfill placed in max. 8" lifts using small power tamping equipment until 2 feet cover over pipe is reached

### \_\_\_\_\_ Concrete pipe

- \_\_\_\_\_ 1. Pipe set on blocks or concrete slab for pouring of low cradle
- \_\_\_\_\_ 2. Pipe installed with rubber gasket joints with no spalling in gasket interface area
- \_\_\_\_\_ 3. Excavation for lower half of anti-seep collar(s) with reinforcing steel set
- \_\_\_\_\_ 4. Entire area where anti-seep collar(s) will come in contact with pipe coated with mastic or other approved waterproof sealant
- \_\_\_\_\_ 5. Low cradle and bottom half of anti-seep collar installed as monolithic pour and of an approved mix
- \_\_\_\_\_ 6. Upper half of anti-seep collar(s) formed with reinforcing steel set
- \_\_\_\_\_ 7. Concrete for collar of an approved mix and vibrated into place. (Protected from freezing while curing, if necessary)
- \_\_\_\_\_ 8. Forms stripped and collar inspected for honeycomb prior to backfilling. Parge if necessary

## C. Backfilling

- \_\_\_\_\_ Fill placed in maximum 8" lifts
- \_\_\_\_\_ Backfill taken minimum 2 feet above top of anti-seep collar elevation before traversing with heavy equipment

## IV. Riser/Outlet Structure Installation

### A. Metal riser

- \_\_\_\_\_ Riser base excavated or formed on stable subgrade to design dimensions
- \_\_\_\_\_ Embedded section of aluminum or aluminized pipe to be painted with zinc chromate or equivalent on **inside and outside** surfaces
- \_\_\_\_\_ Set on blocks to design elevations and plumbed
- \_\_\_\_\_ Reinforcing bars placed at right angles and projecting into sides of riser
- \_\_\_\_\_ Concrete poured so as to fill inside of riser to invert of barrel

### B. Pre-cast concrete structure

- \_\_\_\_\_ Dry and stable subgrade
- \_\_\_\_\_ Riser base set to design elevation
- \_\_\_\_\_ If more than one section, no spalling in gasket interface area; gasket or approved caulking material placed securely
- \_\_\_\_\_ Watertight and structurally sound collar or gasket joint where structure connects to pipe spillway

### C. Poured concrete structure

- \_\_\_\_\_ Footing excavated or formed on stable subgrade, to design dimensions with reinforcing steel set
- \_\_\_\_\_ Structure formed to design dimensions, with reinforcing steel set as per plan
- \_\_\_\_\_ Concrete of an approved mix and vibrated into place. (Protected from freezing while curing, if necessary)
- \_\_\_\_\_ Forms stripped and structure inspected for “honeycomb” prior to backfilling. Parge if necessary

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

## V. Embankment Construction

- A. Fill material
  - \_\_\_\_\_ Soil engineer's test
  - \_\_\_\_\_ Visual test by inspector
- B. Compaction
  - \_\_\_\_\_ Soil engineer's test
  - \_\_\_\_\_ Visual test by inspector
- C. Embankment
  - \_\_\_\_\_ Fill placed in maximum 8" lifts and compacted with appropriate equipment
  - \_\_\_\_\_ Constructed to design cross-section, side slopes and top width
  - \_\_\_\_\_ Constructed to design elevation plus allowance for settlement

## VI. Impounded Area Construction

- \_\_\_\_\_ Excavated/graded to design contours and side slopes
- \_\_\_\_\_ Inlet pipes have adequate outfall protection
- \_\_\_\_\_ Forebay(s)
- \_\_\_\_\_ Wet pond requirements
  - \_\_\_\_\_ 1. 10 feet reverse slope bench one foot above normal pool elevation
  - \_\_\_\_\_ 2. 10 feet wide level bench one foot below normal pool elevation

## VII. Earth Emergency Spillway Construction

- \_\_\_\_\_ Spillway located in cut or structurally stabilized with riprap, gabions, concrete, etc.
- \_\_\_\_\_ Excavated to proper cross-section, side slopes and bottom width
- \_\_\_\_\_ Entrance channel, crest, and exit channel constructed to design grades and elevations

## VIII. Outlet Protection

- A. End section
  - \_\_\_\_\_ Securely in place and properly backfilled
- B. Endwall
  - \_\_\_\_\_ Footing excavated or formed on stable subgrade, to design dimensions and reinforcing steel set, if specified
  - \_\_\_\_\_ Endwall formed to design dimensions with reinforcing steel set as per plan
  - \_\_\_\_\_ Concrete of an approved mix and vibrated into place. (Protected from freezing, if necessary)
  - \_\_\_\_\_ Forms stripped and structure inspected for "honeycomb" prior to backfilling. Parge if necessary
- C. Riprap apron/channel
  - \_\_\_\_\_ Apron/channel excavated to design cross-section with proper transition to existing ground
  - \_\_\_\_\_ Filter fabric in place
  - \_\_\_\_\_ Stone sized as per plan and uniformly placed at the thickness specified

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

## IX. Vegetative Stabilization

- \_\_\_\_\_ Approved seed mixture or sod
- \_\_\_\_\_ Proper surface preparation and required soil amendments
- \_\_\_\_\_ Excelsior mat or other stabilization materials, as per plan

## X. Miscellaneous

- \_\_\_\_\_ Toe drain
- \_\_\_\_\_ Temporary dewatering device installed as per plan with appropriate fabric, stone size and perforations if included
- \_\_\_\_\_ Drain for ponds having a permanent pool
- \_\_\_\_\_ Trash rack/anti-vortex device secured to outlet structure
- \_\_\_\_\_ Trash protection for low flow pipes, orifices, etc.
- \_\_\_\_\_ Fencing (when required)
- \_\_\_\_\_ Access road
- \_\_\_\_\_ Set aside area for clean-out maintenance

## **APPENDIX 6-4**

# **Sediment/Stormwater Pond Typical Sequence of Construction for Embankment Ponds with Riser/Barrel Outlet Structures for Developers and Contractors**

## **Stormwater/Sediment Pond Typical Sequence of Construction for Embankment Ponds with Riser/Barrel Outlet Structures for Developers and Contractors**

*(Developed by Randy Greer, Environmental Engineer  
Delaware Department of Natural Resources and Environmental Control  
Sediment and Stormwater Program)*

### **1. NOTIFY PLAN REVIEW/CONSTRUCTION REVIEW AGENCY AS REQUIRED**

- a. Arrange the preconstruction meeting
- b. Clear up any questions regarding the approved plan

### **2. PRE-CONSTRUCTION MEETING WITH CONSTRUCTION REVIEW AGENCY**

- a. Review the site plan and layout and discuss any problems or changes needed to the plan
- b. Obtain approvals for the plan changes from the appropriate inspection or plan review agency
- c. Discuss the stages of construction which notification to the construction review agency is needed

### **3. SITE LAYOUT**

- a. Make sure site layout agrees with the plan
- b. Check elevation of the proposed outfall structure
- c. Physically mark any areas not to be disturbed, such as limit of disturbance, wetlands, property lines, etc.

### **4. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS**

- a. Sediment controls will be needed at the downstream perimeter during the clearing and grubbing for the pond wherever sediment may leave the site.

### **5. INSTALL TEMPORARY CHANNEL DIVERSION**

- a. Divert clean water flow away from pond area
- b. Stabilize the diversion

### **6. CLEAR AND GRUB THE POND AREA**

### **7. REMOVE TOPSOIL FROM THE POND AREA**

- a. Stockpile the soil in an approved location
- b. Stabilize the stockpile area

### **8. FACILITY STAKEOUT**

- a. Stakeout centerline of embankment, outside and inside toe of slopes



# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

## 9. CORE TRENCH/EMBANKMENT AREA

- a. Arrange to meet the site reviewer to discuss location of core trench
- b. If core trench is needed, determine where material will come from before trench is opened.
- c. Make arrangements for de-watering of the core trench if necessary
- d. Excavate for core trench
- e. Fill core trench with suitable material assuring proper compaction to existing ground elevation

## 10. CONSTRUCT OUTFALL CHANNEL

- a. Rock outlet protection with filter cloth
- b. Remaining channel constructed and stabilized

## 11. INSTALL BARREL WITH ANTI-SEEP COLLARS

- a. This should be done BEFORE any embankment work
- b. Prepare the bedding for the barrel
- c. Place barrel and anti-seep collars checking pipe grade
- d. Watertight pipe connections to be checked
- e. Backfill of barrel with particular attention to the compaction requirements. All structural backfill shall be completely free of rocks and other objectionable material

## 12. RISER PLACEMENT

- a. Check riser structure for conformance to specifications
- b. Check elevation of structure
- c. Set riser and pour concrete riser base

## 13. INSTALL ANY EROSION CONTROL STRUCTURES REQUIRED

## 14. CONSTRUCT REMAINING CORE AND EMBANKMENT

- a. Most impervious material placed in core of embankment
- b. Material should be checked and approved for suitability
- c. Compact the embankment according to specifications
- d. Check UNSETTLED elevation and top width of embankment
- e. Stabilize embankment

## 15. DIVERT FLOWS INTO PIPE SYSTEM

## 16. CONSTRUCT EMERGENCY SPILLWAY

- a. If earth spillway, construct in undisturbed ground
- b. Check elevation of control section and exit channel

## 17. INSTALL INFLOW CHANNELS

- a. Stabilize according to plan including pipe outfalls into pond

## **INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS**

18. COMPLETE EXCAVATION OF POND TO FINAL GRADE

19. VEGETATIVELY STABILIZE ALL DISTURBED AREAS

20. COMPLETE POND CONVERSION

- a. Requires approval of inspector to convert from sediment to stormwater control
- b. Properly de-water the pond in an approved manner
- c. Remove accumulated sediment and restore pond to design grade. Complete final stabilization
- d. Make any structural modifications to the riser for permanent function

## **APPENDIX 6-5**

### **Construction Checklists for Infiltration Practices**

**Basins (Appendix 6-5A)**  
**Trenches (Appendix 6-5B)**  
**Dry Wells (Appendix 6-5C)**  
**Paving (Appendix 6-5D)**  
**Swales (Appendix 6-5E)**

## Infiltration Basin Construction Inspection Report Form

Adapted from the State of Maryland Inspector's Guidelines Manual

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Contacted \_\_\_\_\_

Site Status \_\_\_\_\_ (active, inactive, completed)

## 1. Pre-construction

	Satisfactory	Unsatisfactory
Runoff diverted	_____	_____
Area stabilized	_____	_____

## 2. Excavation

Size and location	_____	_____
Side slope stable	_____	_____
Soil Permeability	_____	_____
Groundwater/Bedrock	_____	_____

## 3. Embankment

Cut-off trench	_____	_____
Fill material	_____	_____

## 4. Final Excavation

Drainage area stabilized	_____	_____
Sediment removed from facility	_____	_____
Basin floor tilled	_____	_____
Facility stabilized	_____	_____

## 5. Final Inspection

Pretreatment facility in place	_____	_____
Inlets/outlets	_____	_____
Site stabilization	_____	_____
Access to facility provided	_____	_____

## Action to be taken:

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted site deficiencies by \_\_\_\_\_

1st notice \_\_\_\_\_

2nd notice \_\_\_\_\_

Submit plan modifications as noted in written comments by \_\_\_\_\_

Notice to Comply issued \_\_\_\_\_

Final inspection, project completed \_\_\_\_\_

## Infiltration Trench Construction Inspection Report Form

Adapted from the State of Maryland Inspector's Guidelines Manual

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Contacted \_\_\_\_\_

Site Status \_\_\_\_\_ (active, inactive, completed)

## 1. Pre-construction

Runoff diverted  
Area stabilized

Satisfactory

Unsatisfactory

## 2. Excavation

Size and location  
Side slope stable  
Soil Permeability  
Groundwater/Bedrock

## 3. Filter Fabric Placement

Fabric specification  
Placed on bottom, sides, and top

## 4. Aggregate Material

Size as specified  
Clean/washed material  
Placed properly

## 5. Observation Well

Pipe size  
Removable cap/footplate  
Initial depth = \_\_\_\_\_ ft.

## 6. Final Inspection

Pretreatment facility in place  
Stabilization  
Outlet

## Action to be taken:

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted site deficiencies by \_\_\_\_\_

1st notice \_\_\_\_\_

2nd notice \_\_\_\_\_

Submit plan modifications as noted in written comments by \_\_\_\_\_

Notice to Comply issued \_\_\_\_\_

Final inspection, project completed \_\_\_\_\_

## Infiltration Drywell Construction Inspection Report Form

Adapted from the State of Maryland Inspector's Guidelines Manual

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Contacted \_\_\_\_\_

Site Status \_\_\_\_\_ (active, inactive, completed)

## 1. Pre-construction

	Satisfactory	Unsatisfactory
Runoff diverted	_____	_____
Area stabilized	_____	_____

## 2. Excavation

Size and location	_____	_____
Side slope stable	_____	_____
Soil Permeability	_____	_____
Groundwater/Bedrock	_____	_____

## 3. Filter Fabric Placement

Fabric specification	_____	_____
Placed on bottom, sides, and top	_____	_____

## 4. Aggregate Material

Size as specified	_____	_____
Clean/washed material	_____	_____
Placed properly	_____	_____

## 5. Observation Well/roof leader

Pipe size	_____	_____
Removable cap/footplate	_____	_____
Initial depth = _____ ft.	_____	_____

## 6. Final Inspection

Pretreatment facility in place	_____	_____
Debris/gutter screens	_____	_____
Stabilization	_____	_____
Outlet	_____	_____

## Action to be taken:

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted site deficiencies by \_\_\_\_\_

1st notice \_\_\_\_\_

2nd notice \_\_\_\_\_

Submit plan modifications as noted in written comments by \_\_\_\_\_

Notice to Comply issued \_\_\_\_\_

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

## Infiltration Paving Construction Inspection Report Form

Adapted from the State of Maryland Inspector's Guidelines Manual

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Contacted \_\_\_\_\_

Site Status \_\_\_\_\_ (active, inactive, completed)

### 1. Pre-construction

	Satisfactory	Unsatisfactory
Runoff diverted	_____	_____
Area stabilized	_____	_____

### 2. Excavation

Size and location	_____	_____
Side slope stable	_____	_____
Soil Permeability	_____	_____
Groundwater/Bedrock	_____	_____

### 3. Filter Fabric Placement

Fabric specification	_____	_____
Placed on bottom, sides, and top	_____	_____

### 4. Aggregate Base Course

Size as specified	_____	_____
Clean/washed material	_____	_____
Placed properly	_____	_____

### 5. Aggregate Filter Course

Size	_____	_____
Clean/washed material	_____	_____
Placed Properly	_____	_____

### 6. Porous Surface Course

Proper temperature/compaction	_____	_____
-------------------------------	-------	-------

### 7. Final Inspection

Smooth Surface & Transition	_____	_____
Test section	_____	_____
Final stabilization	_____	_____

### Action to be taken:

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted site deficiencies by \_\_\_\_\_

1st notice \_\_\_\_\_

2nd notice \_\_\_\_\_

Submit plan modifications as noted in written comments by \_\_\_\_\_

Notice to Comply issued \_\_\_\_\_ Final inspection, project completed \_\_\_\_\_

## Infiltration Swale Construction Inspection Report Form

Adapted from the State of Maryland Inspector's Guidelines Manual

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Contacted \_\_\_\_\_

Site Status \_\_\_\_\_ (active, inactive, completed)

## 1. Pre-construction

Runoff diverted  
Area stabilized

Satisfactory

Unsatisfactory

## 2. Excavation

Size and location  
Side slope stable  
Soil Permeability  
Groundwater/Bedrock

## 3. Check dams

Dimensions  
Compaction

## 4. Final Inspection

Dimensions  
Check dams  
Proper outlet  
Effective stabilization

## Action to be taken:

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted site deficiencies by \_\_\_\_\_

1st notice \_\_\_\_\_

2nd notice \_\_\_\_\_

Submit plan modifications as noted in written comments by \_\_\_\_\_

Notice to Comply issued \_\_\_\_\_

Final inspection, project completed \_\_\_\_\_



## **APPENDIX 6-6**

### **Construction Checklist for Filtration Practices**

## Filtration Facility Construction Inspection Report Form

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Contacted \_\_\_\_\_

Site Status \_\_\_\_\_ (active, inactive, completed)

## 1. Pre-construction

	Satisfactory	Unsatisfactory
Runoff diverted	_____	_____
Facility area cleared	_____	_____
Facility location staked out	_____	_____

## 2. Excavation

Size and location	_____	_____
Side slopes stable	_____	_____
Foundation cleared of debris	_____	_____
Foundation area compacted	_____	_____

## 3. Structural Components

Dimensions and materials	_____	_____
Forms adequately sized	_____	_____
Concrete meets standards	_____	_____
Prefabricated joints sealed	_____	_____
Underdrains (size, materials)	_____	_____

## 4. Completed Facility Components

24 hour water filled test	_____	_____
Contributing area stabilized	_____	_____
Filter material per specification	_____	_____
Underdrains installed to grade	_____	_____

## 5. Final Inspection

Dimensions	_____	_____
Structural Components	_____	_____
Proper outlet	_____	_____
Effective site stabilization	_____	_____

## Action to be taken:

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted site deficiencies by \_\_\_\_\_

1st notice \_\_\_\_\_

2nd notice \_\_\_\_\_

Submit plan modifications as noted in written comments by \_\_\_\_\_

Notice to Comply issued \_\_\_\_\_

Final inspection, project completed \_\_\_\_\_

## **APPENDIX 6-7**

### **Construction Checklist for Biofiltration Practices**

# Biofiltration Construction Inspection Report Form

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Contacted \_\_\_\_\_

Site Status \_\_\_\_\_ (active, inactive, completed)

## 1. Pre-construction

	Satisfactory	Unsatisfactory
Runoff diverted	_____	_____
Facility area cleared	_____	_____
Facility location staked out	_____	_____
Facility not in heavily shaded area	_____	_____

## 2. Excavation

Size and location	_____	_____
Lateral slopes completely level	_____	_____
Longitudinal slopes within design range	_____	_____

## 3. Check dams and Level Spreaders

Dimensions, spacing, and materials	_____	_____
Compaction	_____	_____
Level spreaders are completely level	_____	_____

## 4. Structural Components

Inlets and outlets installed correctly	_____	_____
Flow bypasses installed correctly	_____	_____
Pretreatment devices installed	_____	_____
Curb cuts installed per plans	_____	_____

## 5. Vegetation

Complies with planting specs.	_____	_____
Topsoil adequate in composition and placement	_____	_____
Adequate erosion control measures in place	_____	_____

## 4. Final Inspection

Dimensions	_____	_____
Check dams and level spreaders	_____	_____
Proper outlet	_____	_____
Effective stand of vegetation and stabilization	_____	_____
Construction generated sediments removed	_____	_____

## Action to be taken:

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted site deficiencies by \_\_\_\_\_

1st notice \_\_\_\_\_

2nd notice \_\_\_\_\_

Submit plan modifications as noted in written comments by \_\_\_\_\_

Notice to Comply issued \_\_\_\_\_

Final inspection, project completed \_\_\_\_\_

## **APPENDICES FROM CHAPTER 7**

### **Operation, Maintenance, and Management Inspection Forms for Stormwater Management Practices**

## **APPENDIX 7-1**

# **Operation, Maintenance, and Management Inspection Checklist for Ponds**

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

## Operation and Maintenance Inspection Report for Stormwater Management Ponds

(Adapted from Anne Arundel County, Maryland)

Inspector Name \_\_\_\_\_ Community \_\_\_\_\_  
 Inspection Date \_\_\_\_\_ Address \_\_\_\_\_  
 Stormwater Pond \_\_\_\_\_  
 Normal Pool \_\_\_\_\_  
 Normally Dry \_\_\_\_\_ Watershed \_\_\_\_\_

Items inspected	Checked		Maintenance Needed		Inspection Frequency	Remarks
	Yes	No	Yes	No		
I, Pond components						
A. Embankment and Emergency spillway					A, S	
1. Vegetation and ground Cover adequate						
2. Embankment erosion						
3. Animal burrows						
4. Unauthorized plantings						
5. Cracking, bulging, or sliding of dam						
a. Upstream face						
b. Downstream face						
c. At or beyond toe						
Upstream						
Downstream						
d. Emergency spillway						
6. Pond, toe & chimney drains clear and functioning						
7. Seeps/leaks on downstream face						
8. Slope protection or riprap failures						
9. Vertical and horizontal alignment of top of dam as per "As-Built" plans						
10. Emergency spillway clear of obstructions and debris						
11. Other (specify)						
B. Riser and principal spillway					A	
Type: Reinforced concrete						
Corrugated pipe						
Masonry						
1. Low flow orifice obstructed						
2. Low flow trash rack						
a. Debris removal necessary						
b. Corrosion control						
3. Weir trash rack maintenance						
a. Debris removal necessary						
b. Corrosion control						

Inspection Frequency Key

A=Annual, M=Monthly, S=After major storm

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

Items inspected	Checked		Maintenance Needed		Inspection Frequency	Remarks
	Yes	No	Yes	No		
4. Excessive sediment accumulation inside riser						
5. Concrete/Masonry condition						
Riser and barrels						
a. Cracks or displacement						
b. Minor spalling (<1")						
c. Major spalling (rebars exposed)						
d. Joint failures						
e. Water tightness						
6. Metal pipe condition						
7. Control valve						
a. Operational/exercised						
b. Chained and locked						
8. Pond drain valve						
a. Operational/exercised						
b. Chained and locked						
9. Outfall channels functioning						
10. Other (specify)						
C. <u>Permanent pool (wet ponds)</u>					M	
1. Undesirable vegetative growth						
2. Floating or floatable debris removal required						
3. Visible pollution						
4. Shoreline problems						
5. Other (specify)						
D. <u>Sediment forebays</u>						
1. Sedimentation noted						
2. Sediment cleanout when depth < 50% design depth						
E. <u>Dry pond areas</u>					M	
1. Vegetation adequate						
2. Undesirable vegetative growth						
3. Undesirable woody vegetation						
4. Low flow channels clear of obstructions						
5. Standing water or wet spots						
6. Sediment and/or trash accumulation						
7. Other (specify)						
F. <u>Condition of outfalls into pond</u>					A,S	
1. Riprap failures						
2. Slope erosion						
3. Storm drain pipes						
4. Endwalls/headwalls						
5. Other (specify)						
G. <u>Other</u>					M	
1. Encroachments on pond or easement area						

Inspection Frequency Key

A=Annual, M=Monthly, S=After major storm



# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

Items inspected	Checked		Maintenance Needed		Inspection Frequency	Remarks
	Yes	No	Yes	No		
2. Complaints from residents (describe on back)						
3. Aesthetics						
a. grass mowing required						
b. graffiti removal needed						
c. Other (specify)						
4. Any public hazards (specify)						
5. Maintenance access						
H. Constructed wetland areas					A	
1. Vegetation healthy and growing						
2. Evidence of invasive species						
3. Excessive sedimentation in wetland area						

Inspection Frequency Key

A=Annual, M=Monthly, S=After major storm

## II. Summary

1. Inspectors Remarks:

---

---

---

---

---

---

---

---

---

---

2. Overall condition of Facility (Check one)

\_\_\_\_\_ Acceptable  
\_\_\_\_\_ Unacceptable

3. Dates any maintenance must be completed by:

---

---

---

---

## **APPENDIX 7-2**

### **Operation, Maintenance, and Management Inspection Checklists for Infiltration Practices:**

**Basins (Appendix 7-2A)**  
**Trenches (Appendix 7-2B)**  
**Dry Wells (Appendix 7-2C)**  
**Paving (Appendix 7-2D)**  
**Swales (Appendix 7-2E)**

## Infiltration Basin Maintenance Inspection Report Form

Adapted from the State of Maryland Inspector's Guidelines Manual

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Conducting the Inspection \_\_\_\_\_ "As Built" Plans available Y/N*Inspection frequency shown in parentheses after item being considered*

	<u>Satisfactory</u>	<u>Unsatisfactory</u>
1. Debris cleanout (Monthly)		
Basin bottom clear of debris	_____	_____
Inlet clear of debris	_____	_____
Outlet clear of debris	_____	_____
Emergency spillway clear of debris	_____	_____
2. Sediment traps or forebays (Annual)		
Obviously trapping sediment greater than 50% of storage volume remaining	_____	_____
3. Vegetation (Monthly)		
mowing done when needed	_____	_____
Fertilized per specifications	_____	_____
No evidence of erosion	_____	_____
4. Dewatering (Monthly)		
Basin dewatered between storms	_____	_____
5. Sediment cleanout of basin (Annual)		
No evidence of sedimentation in basin	_____	_____
Sediment accumulation does not yet require cleanout	_____	_____
6. Inlets (Annual)		
Good condition	_____	_____
No evidence of erosion	_____	_____
7. Outlets/overflow spillway (Annual, After Major Storm)		
Good condition, no need for repair	_____	_____
No evidence of erosion	_____	_____
8. Structural repairs (Annual, After Major Storm)		
Embankment in good repair	_____	_____
Side slopes are stable	_____	_____
No evidence of erosion	_____	_____

Inspection Frequency Key

Annual, Monthly, After major storm

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

	<u>Satisfactory</u>	<u>Unsatisfactory</u>
9. Fences/access repairs (Annual)		
Fences in good condition	_____	_____
No damage which would allow undesired entry	_____	_____
Access point in good condition	_____	_____
Locks and gate function adequate	_____	_____

Inspection Frequency Key      Annual, Monthly, After major storm

Action to be taken:

If any of the answers to the above items are checked unsatisfactory, a time frame shall be established for their correction or repair

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted facility deficiencies by \_\_\_\_\_

Facility repairs were indicated and completed. Site reinspection is necessary to verify corrections or improvements.

Site reinspection accomplished on \_\_\_\_\_

Site reinspection was satisfactory. Next routine inspection is scheduled for approximately:

\_\_\_\_\_

\_\_\_\_\_

Signature of Inspector

## Infiltration Trench Maintenance Inspection Report Form

Adapted from the State of Maryland Inspector's Guidelines Manual

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Conducting the Inspection \_\_\_\_\_ "As Built" Plans available Y/N*Inspection frequency shown in parentheses after item being considered*

	<u>Satisfactory</u>	<u>Unsatisfactory</u>
1. Debris cleanout (Monthly)		
Trench surface clear of debris	_____	_____
Inlet areas clear of debris	_____	_____
Inflow pipes clear of debris	_____	_____
Overflow spillway clear of debris	_____	_____
2. Sediment traps, forebays, or pretreatment swales (Annual)		
Obviously trapping sediment greater than 50% of storage volume remaining	_____	_____
3. Vegetation (Monthly)		
mowing done when needed	_____	_____
Fertilized per specifications	_____	_____
No evidence of erosion	_____	_____
4. Dewatering (Monthly)		
Trench dewaterers between storms	_____	_____
5. Sediment cleanout of trench (Annual)		
No evidence of sedimentation in trench	_____	_____
Sediment accumulation does not yet require cleanout	_____	_____
6. Inlets (Annual)		
Good condition	_____	_____
No evidence of erosion	_____	_____
7. Outlets/overflow spillway (Annual)		
Good condition, no need for repair	_____	_____
No evidence of erosion	_____	_____

Inspection Frequency Key    Annual, Monthly, After major storm

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

	<u>Satisfactory</u>	<u>Unsatisfactory</u>
8. Aggregate repairs (Annual)		
Surface of aggregate clean	_____	_____
Top layer of stone does not need replacement	_____	_____
Trench does not need rehabilitation	_____	_____
9. Vegetated surface (Monthly)		
No evidence of erosion	_____	_____
Perforated inlet functioning adequately	_____	_____
Water does not stand on vegetative surface	_____	_____
Good vegetative cover exists	_____	_____

Inspection Frequency Key      Annual, Monthly, After major storm

Action to be taken:

If any of the answers to the above items are checked unsatisfactory, a time frame shall be established for their correction or repair

No action necessary. Continue routine inspections \_\_\_\_\_  
 Correct noted facility deficiencies by \_\_\_\_\_

Facility repairs were indicated and completed. Site reinspection is necessary to verify corrections or improvements.

Site reinspection accomplished on \_\_\_\_\_

Site reinspection was satisfactory. Next routine inspection is scheduled for approximately:

\_\_\_\_\_

\_\_\_\_\_

Signature of Inspector

## Infiltration Dry Well Maintenance Inspection Report Form

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Conducting the Inspection \_\_\_\_\_ "As Built" Plans available Y/N*Inspection frequency shown in parentheses after item being considered*

## 1. Debris cleanout (Monthly)

Roof drains and downspouts clean

SatisfactoryUnsatisfactory

## 2. Vegetation on top of dry well (Monthly)

mowing done when needed  
Fertilized per specifications  
No evidence of erosion

## 3. Dewatering (Monthly)

Dry well dewateres between storms

## 4. Inlets (Annual)

Good condition of down spouts  
No evidence of deterioration  
Roof gutters drain correctly into dry well

## 5. Outlets/overflow spillway (Annual)

Good condition, no need for repair  
No evidence of erosion

Inspection Frequency Key

Annual, Monthly, After major storm

Action to be taken:

If any of the answers to the above items are checked unsatisfactory, a time frame shall be established for their correction or repair

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted facility deficiencies by \_\_\_\_\_

Facility repairs were indicated and completed. Site reinspection is necessary to verify corrections or improvements.

Site reinspection accomplished on \_\_\_\_\_

Site reinspection was satisfactory. Next routine inspection is scheduled for approximately:

\_\_\_\_\_  
\_\_\_\_\_

Signature of Inspector

## Infiltration Paving Maintenance Inspection Report Form

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Conducting the Inspection \_\_\_\_\_ "As Built" Plans available Y/N*Inspection frequency shown in parentheses after item being considered*

## 1. Debris on infiltration paving parking area (Monthly)

Paving area clean of debris

SatisfactoryUnsatisfactory2. Vegetation (any buffer areas or pervious areas in drainage area)  
(Monthly)

mowing done when needed

Fertilized per specifications

No evidence of erosion

## 3. Dewatering (Monthly)

Infiltration paving dewaterers between storms

## 4. Sediments (Monthly)

Area clean of sediments

Area vacuum swept on a periodic basis

## 5. Structural condition (Annual)

No evidence of surface deterioration

No evidence of rutting or spalling

Inspection Frequency Key

Annual, Monthly, After major storm

Action to be taken:

If any of the answers to the above items are checked unsatisfactory, a time frame shall be established for their correction or repair

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted facility deficiencies by \_\_\_\_\_

Facility repairs were indicated and completed. Site reinspection is necessary to verify corrections or improvements.

Site reinspection accomplished on \_\_\_\_\_

Site reinspection was satisfactory. Next routine inspection is scheduled for approximately:

\_\_\_\_\_  
\_\_\_\_\_

Signature of Inspector



## Infiltration Swale Well Maintenance Inspection Report Form

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Conducting the Inspection \_\_\_\_\_ "As Built" Plans available Y/N*Inspection frequency shown in parentheses after item being considered*

1. Debris cleanout	(Monthly)	<u>Satisfactory</u>	<u>Unsatisfactory</u>
Swales and contributing areas clean of debris		_____	_____
2. Vegetation	(Monthly)		
mowing done when needed		_____	_____
Fertilized per specifications		_____	_____
No evidence of erosion		_____	_____
Minimum mowing depth not exceeded		_____	_____
3. Dewatering	(Monthly)		
Swale dewaterers between storms		_____	_____
4. Check dams or energy dissipators	(Annual, After Major Storm)		
No evidence of flow going around structures		_____	_____
No evidence of erosion at downstream toe		_____	_____
5. Sediment deposition	(Annual)		
Swale clean of sediments		_____	_____
6. Outlets/overflow spillway	(Annual, After Major Storm)		
Good condition, no need for repair		_____	_____
No evidence of erosion		_____	_____

Inspection Frequency Key      Annual, Monthly, After major storm

Action to be taken:

If any of the answers to the above items are checked unsatisfactory, a time frame shall be established for their correction or repair

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted facility deficiencies by \_\_\_\_\_

Facility repairs were indicated and completed. Site reinspection is necessary to verify corrections.

Site reinspection accomplished on \_\_\_\_\_

Site reinspection was satisfactory. Next routine inspection is scheduled for approximately:

\_\_\_\_\_  
Signature of Inspector

## **APPENDIX 7-3**

# **Operation, Maintenance and Management Inspection Checklist for Filtration Practices**

## Filtration Facility Maintenance Inspection Report Form

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Conducting the Inspection \_\_\_\_\_ "As Built" Plans available Y/N

**Warning: If filtration facility has a watertight cover; be careful regarding the possibility of flammable gases within the facility. Care should be taken lighting a match or smoking while inspecting facilities that are not vented.**

*Inspection frequency shown in parentheses after item being considered*

	Satisfactory	Unsatisfactory
1. Debris cleanout (Monthly)		
Contributing areas clean of debris	_____	_____
Filtration facility clean of debris	_____	_____
Inlets and outlets clear of debris	_____	_____
2. Vegetation (Monthly)		
Contributing drainage area stabilized	_____	_____
No evidence of erosion	_____	_____
Area mowed and clippings removed	_____	_____
3. Oil and grease (Monthly)		
No evidence of filter surface clogging	_____	_____
Activities in drainage area minimize oil & grease entry	_____	_____
4. Water retention where required (Monthly)		
Water holding chambers at normal pool	_____	_____
No evidence of leakage	_____	_____
5. Sediment deposition (Annual)		
Filtration chamber clean of sediments	_____	_____
Water chambers not more than 1/2 full of sediments	_____	_____
6. Structural components (Annual)		
No evidence of structural deterioration	_____	_____
Any grates are in good condition	_____	_____
No evidence of spalling or cracking of structural parts	_____	_____
7. Outlets/overflow spillway (Annual)		
Good condition, no need for repair	_____	_____
No evidence of erosion (if draining into a natural channel)	_____	_____

Inspection Frequency Key

Annual, Monthly, After major storm

# INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

		<u>Satisfactory</u>	<u>Unsatisfactory</u>
8. Overall function of facility	(Annual)		
No evidence of flow bypassing facility		_____	_____
No noticeable odors outside of facility		_____	_____
Inspection Frequency Key	Annual, Monthly, After major storm		

Action to be taken:

If any of the answers to the above items are checked unsatisfactory, a time frame shall be established for their correction or repair

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted facility deficiencies by \_\_\_\_\_

Facility repairs were indicated and completed. Site reinspection is necessary to verify corrections or repairs.

Site reinspection accomplished on \_\_\_\_\_

Site reinspection was satisfactory. Next routine inspection is scheduled for approximately:

\_\_\_\_\_

\_\_\_\_\_

Signature of Inspector

## **APPENDIX 7-4**

# **Operation, Maintenance and Management Inspection Checklist for Biofiltration Practices**

# Biofiltration Facility Maintenance Inspection Report Form

Date \_\_\_\_\_

Time \_\_\_\_\_

Project \_\_\_\_\_

Location \_\_\_\_\_

Individual Conducting the Inspection \_\_\_\_\_ "As Built" Plans available Y/N*Inspection frequency shown in parentheses after item being considered*

	<u>Satisfactory</u>	<u>Unsatisfactory</u>
1. Debris cleanout (Monthly)		
Biofilters and contributing areas clean of debris	_____	_____
No dumping of yard wastes into biofilter	_____	_____
Litter (branches, etc.) have been removed	_____	_____
2. Vegetation (Monthly)		
Plant height not less than design water depth	_____	_____
Fertilized per specifications	_____	_____
No evidence of erosion	_____	_____
Grass height not greater than 6 inches	_____	_____
Is plant composition according to approved plans	_____	_____
No placement of inappropriate plants	_____	_____
3. Dewatering (Monthly)		
Biofilter dewaterers between storms	_____	_____
No evidence of standing water	_____	_____
4. Check dams/energy dissipators/sumps (Annual, After Major Storm)		
No evidence of sediment buildup	_____	_____
Sumps should not be more than 50% full of sediment	_____	_____
No evidence of erosion at downstream toe of drop structures	_____	_____
5. Sediment deposition (Annual)		
Swale clean of sediments	_____	_____
Sediments should not be > than 20% of swale design depth	_____	_____
6. Outlets/overflow spillway (Annual, After Major Storm)		
Good condition, no need for repair	_____	_____
No evidence of erosion	_____	_____
No evidence of any blockages	_____	_____
7. Integrity of biofilter (Annual)		
Biofilter has not been blocked or filled inappropriately	_____	_____

Inspection Frequency Key

Annual, Monthly, After major storm

## INSPECTION FORMS FOR STORMWATER MANAGEMENT SYSTEMS

Action to be taken:

If any of the answers to the above items are checked unsatisfactory, a time frame shall be established for their correction or repair

No action necessary. Continue routine inspections \_\_\_\_\_

Correct noted facility deficiencies by \_\_\_\_\_

Facility repairs were indicated and completed. Site reinspection is necessary to verify corrections.

Site reinspection accomplished on \_\_\_\_\_

Site reinspection was satisfactory. Next routine inspection is scheduled for approximately:

\_\_\_\_\_

\_\_\_\_\_

Signature of Inspector